



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090285

Mode: Highway

Status: Submitted

US-17

From/Cross Street: SR 1300 (New Hope Road)

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#: R-4458

Fully Funded in Draft STIP? No

Cost to NCDOT: \$12,906,000

Description:

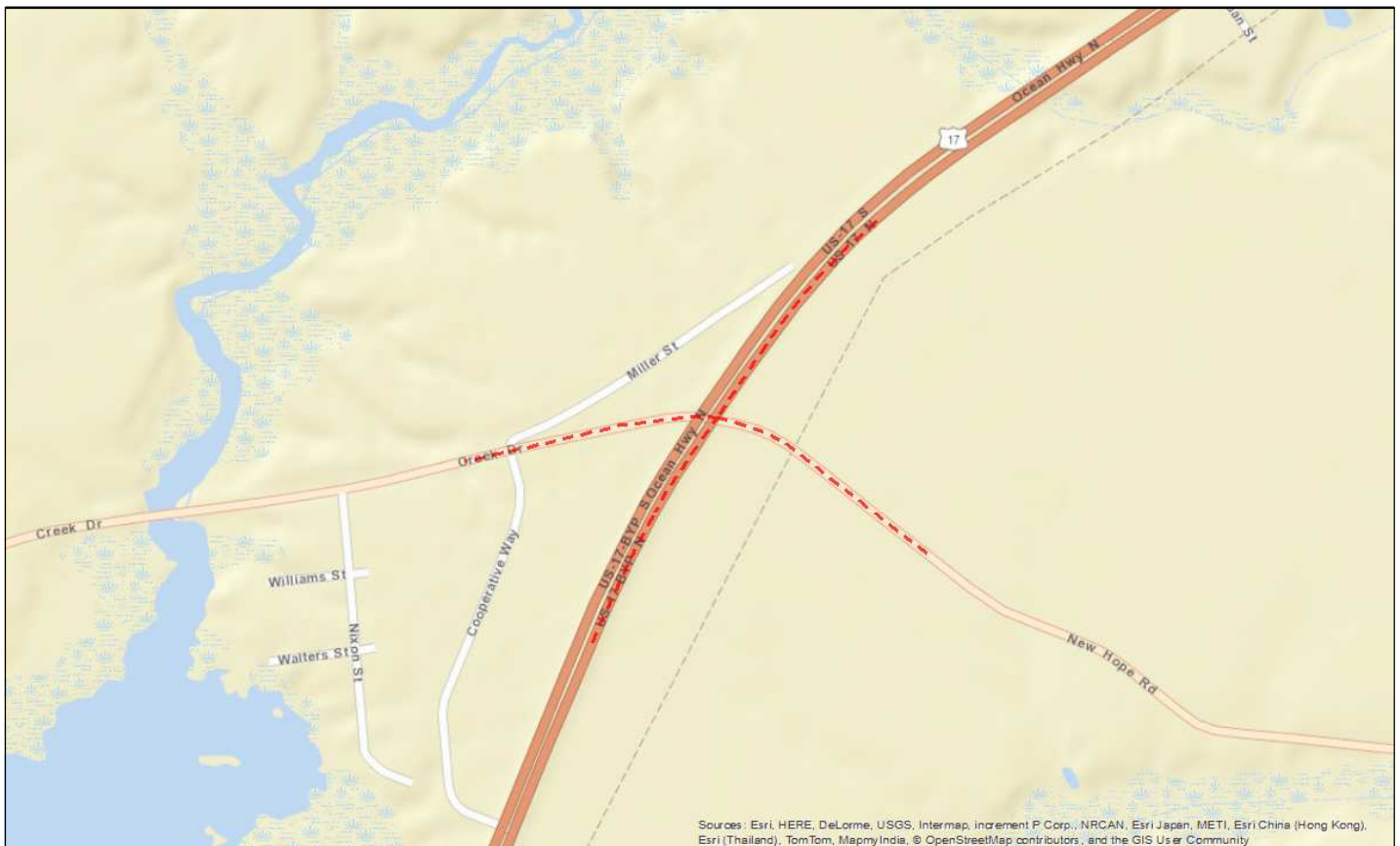
Convert at-Grade intersection to An interchange

Division(s): Division 1

County(s): PERQUIMANS

MPOS(s)/RPO(s): Albemarle RPO

Project Location



Statewide Mobility Total Score: 11.91

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 16.73 Safety (10%) 50.00 Economic Competitiveness (10%) 1.47 Multimodal + [Freight & Military] (20%) 7.70 [Travel Time] Benefit/Cost (30%) 0.67	N/A	N/A
Totals: Weight: 100% Weighted Score: 11.91		

Regional Impact Total Score: 27.64

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 16.73 Safety (15%) 50.00 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 25.00 [Travel Time] Benefit/Cost (20%) 0.67	Percent: 15% Points: 0	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 12.64		

Division Needs Total Score: 9.24

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 16.73 Safety (10%) 50.00 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 25.00 [Travel Time] Benefit/Cost (10%) 0.67	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 9.24		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	15828.3
Capacity:	91352.77
Volume/Capacity Ratio:	0.17
% Autos:	90%
% Trucks:	10%
Truck Volume:	1540.98
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	0
Severity Index:	100
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	31
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	100
Actual Congested Speed:	26.98
Travel Time Index:	2.04

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	380000
Travel Time Savings for 30 Years (Autos):	343004.62
Travel Time Savings for 30 Years (Trucks):	36995.38
Long-Term Employment:	6
% Change in Economy:	2.34E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 1

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 1	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Albemarle RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$10,716,000	TIP Unit
Right-of-Way Cost:	\$2,190,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$12,906,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$12,906,000	